



-1038

IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE

IN RE APPLICATION OF: : ROBINSON, A et al.
SERIAL NO: : 09/739,529
FILED: : December 15, 2000
FOR: : OPTICAL FIBER AMPLIFIER
EXAMINER: : WANG, G.
GROUP ART UNIT: : 2882

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to "Director of Patents and Trademarks, Washington, D.C. 20231," on November 4, 2002.

Name of person signing Jennifer J. Ramirez

Signature [Signature]

RESPONSE & AMENDMENT

Honorable Director of
Patents and Trademarks
Washington, DC 20231

In response to the Office Action mailed September 06 2002 with reference to the above-identified application, please amend the application as set out below:

In the Claims:

Please amend claims 1, 4, 7, 8 and 9 as below:

1. (once amended) An optical amplifier comprising a doped fiber core and a cladding layer surrounding the core, the mode field diameter of the fiber being greater than 10 μm and the refractive index difference between the core and the cladding layer being selected such that the cut-off wavelength at which the fiber becomes single mode lies in the range 1000-1550nm.